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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/063,434	04/23/2002	Yin-Chun Huang	8821-US-PA	4966
31561	7590	10/05/2005	EXAMINER	
JIANQ CHYUN INTELLECTUAL PROPERTY OFFICE 7 FLOOR-1, NO. 100 ROOSEVELT ROAD, SECTION 2 TAIPEI, 100 . TAIWAN			GIBBS, HEATHER D	
			ART UNIT	PAPER NUMBER
			2622	

DATE MAILED: 10/05/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 10/063,434	<b>Applicant(s)</b> HUANG ET AL.	
	<b>Examiner</b> Heather D. Gibbs	<b>Art Unit</b> 2622	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 23 April 2002.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-10 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-10 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 23 April 2002 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |                                                                                                                        |                                                                                         |
|------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                                            | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____                                                |

## DETAILED ACTION

### *Claim Rejections - 35 USC § 102*

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-3,6-10 are rejected under 35 U.S.C. 102(b) as being anticipated by Lai et al (US 6,115,149).

Regarding claim 1, which is representative of claims 6,8, Lai discloses .A scanning method by using a paper feed scanner, wherein the paper feed scanner comprises a sheet feeder attached thereon, a scanning head and a transmission mechanism, with the transmission mechanism driving the scanning head to scan a paper sheet sent from the sheet feeder to a scanning window of the scanner, the method comprising: a) making the paper sheet go forward a first distance into the scanning window; b) the scanning head scanning a portion of the paper sheet; c)the transmission mechanism driving the scanning head to move a second distance in a first direction, wherein the second distance is smaller than the first distance', d)repeating the steps b) and c) until the scanning head completely scans a plurality of portions of the paper sheet in the scanning window; e)repeating the steps a), b), c) and d) except that the scanning head moves in a second direction opposite to the first, 9 repeating the steps a), b), c), d) and e), the movement of the scanning head alternating between a

first and a second direction, until the scanning head completely scans the paper sheet to be scanned (Col 6 Lines 4-36; Col 8 Lines 4-19; Figs 1-2).

For claim 2, which is representative of claim 9, Lai teaches wherein the scanning head moves back in forth to scan the paper sheet (Col 8 Lines 4-19).

For claim 3, which is representative of claim 10, Lai discloses wherein the scanning head moves in one way to scan the paper sheet (Col 8 Lines 4-19).

For claim 7, Lai discloses wherein the second distance is smaller than the first distance (Col 6 Lines 4-36; Col 8 Lines 4-19).

***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 4-5 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lai et al (US 6,115,149) in view of Eguchi (US 5,914,745).

Lai discloses the scanning method as discussed above.

Lai does not disclose expressly a conveying guide, and a plurality of rollers arranged on the conveying guide and in contact with each other to make a pair of rollers, and wherein the paper sheet is transmitted along the conveying guide by rotating the pair of rollers.

Eguchi discloses a conveying guide, and a plurality of rollers arranged on the conveying guide and in contact with each other to make a pair of rollers, and wherein

the paper sheet is transmitted along the conveying guide by rotating the pair of rollers (Col 3 Lines 39-49; Fig 3).

Lai & Eguchi are combinable because they are from the same field of endeavor.

At the time of the invention, it would have been obvious to a person of ordinary skill in the art to combine Eguchi with Lai.

The suggestion/motivation for doing so would have been to move the sheet in the reverse direction.

Therefore, it would have been obvious to combine Lai with Eguchi to obtain the invention as specified in claim 4.

For claim 5, Eguchi teaches wherein the sheet feeder comprised a scanning window through which the scanning head scans the paper sheet, and the length of the scanning window in the moving direction of the paper is larger than or equal to the first distance (Col 3 Lines 55-64; Col 4 Lines 26-54).

### ***Conclusion***

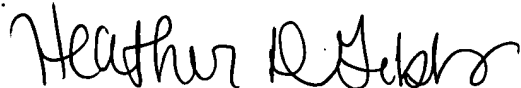
5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Chen (US6, 707,582):

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Heather D. Gibbs whose telephone number is 571-272-7404. The examiner can normally be reached on M-Thu 8AM-7PM.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward L. Coles can be reached on 571-272-7402. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2622

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
Heather D Gibbs  
Examiner  
Art Unit 2622

hdg

  
EDWARD COLES  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER